

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G09G3/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G09G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|------------|---|-----------------------|
| X          | EP 0 833 548 A (SEIKO EPSON CORP)<br>1 April 1998 (1998-04-01)<br>abstract  | 1, 11                 |
| X          | US 4 311 993 A (STROBEL FELIX)<br>19 January 1982 (1982-01-19)<br>abstract<br>column 3, line 31 - column 4, line 12<br>column 5, lines 35, 36 | 1-12                  |
| A          | EP 1 282 101 A (PIONEER CORP)<br>5 February 2003 (2003-02-05)<br>paragraphs '0009!', '0014!', '0015!',<br>'0020!', '0030!', '0042!' - '0044!' | 1-12                  |

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

6 October 2004

Date of mailing of the international search report

14/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

van Wesenbeeck, R

| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|---|---|---------------------|----------------------------|---------------------|
| EP 0833548                                | A | 01-04-1998          | EP 0833548 A1              | 01-04-1998          |
|   |   |                     | US 6268799 B1              | 31-07-2001          |
|   |   |                     | EP 1395092 A2              | 03-03-2004          |
|   |   |                     | WO 9738560 A1              | 16-10-1997          |
|   |   |                     | JP 2004006360 A            | 08-01-2004          |
|   |   |                     | US 2004080715 A1           | 29-04-2004          |
|   |   |                     | US 2001005172 A1           | 28-06-2001          |
| US 4311993                                | A | 19-01-1982          | CH 627575 A5               | 15-01-1982          |
|   |   |                     | WO 8000038 A1              | 10-01-1980          |
|   |   |                     | DE 2962604 D1              | 09-06-1982          |
|   |   |                     | EP 0015914 A1              | 01-10-1980          |
|   |   |                     | JP 55500311 T              | 29-05-1980          |
| EP 1282101                                | A | 05-02-2003          | JP 2003043998 A            | 14-02-2003          |
|   |   |                     | CN 1400578 A               | 05-03-2003          |
|   |   |                     | EP 1282101 A1              | 05-02-2003          |
|   |   |                     | TW 580678 B                | 21-03-2004          |
|   |   |                     | US 2003179163 A1           | 25-09-2003          |